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*GENERAL SCIENCE, *TEACHING PROCEDURES, LARGE GROUP INSTRUCTION, RETARDED READERS, SMALL GROUP INSTRUCTION, GRADE 7, SECONDARY SCHOOL SCIENCE, TEAM TEACHING, 1965, HERBERT HOOVER JUNIOR HIGH SCHOOL, SAN JOSE (CALIFORNIA), CALIFORNIA

37. SE 001 090 08 22 67 10 33 38 2 00 000 009
CARVER, THOMAS R.
THE DESIGN AND USE OF A LIGHT PROBE FOR TEACHING SCIENCE TO BLIND STUDENTS

THE PHYSICS TEACHER

02 00 67 3
BLIND STUDENTS, COLLEGE SCIENCE, SCIENCE ACTIVITIES, LIGHT PROBES, PHYSICS, VISUALLY HANDICAPPED

38. SE 001 060 11 16 67 02 82 31 2 00 000 008
CASTEEL, J. DOYLE AND YAGER, ROBERT E.
SCIENCE AS MIND-AFFECTED AND MIND-EFFECTING INQUIRY

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09 00 66 5
*CURRICULUM DEVELOPMENT, *EDUCATIONAL PHILOSOPHY, *INSTRUCTION, *INQUIRY, *SCIENCE AND SOCIETY, *SCIENCE COURSES, *SCIENCE HISTORY, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, COURSE DESCRIPTIONS, UNITED STATES OFFICE OF EDUCATION, UNIVERSITY OF IOWA LABORATORY SCHOOL, UNIVERSITY OF IOWA SCIENCE AND CULTURE STUDY

39. SE 001 451 10 10 67 07 52 17 1 00 000 008
CLEGG, F. E.
AN EXPERIMENT ON THE RETENTION OF MATTER PRESENTED IN A SOUND FILM

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*AUDIOVISUAL AIDS, *EDUCATIONAL FILMS, *LEARNING, *PHYSICAL SCIENCES, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, FILMS, INSTRUCTIONAL PROCEDURES, RETENTION, ENGLAND, 1966

40. SE 001 066 08 22 67 10 12 17 1 00 000 08
COULTER, JOHN C.
THE EFFECTIVENESS OF INDUCTIVE LABORATORY, INDUCTIVE DEMONSTRATION, AND DEDUCTIVE LABORATORY IN BIOLOGY

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*BIOLOGY, *DEDUCTIVE TEACHING, *INDUCTIVE TEACHING, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, GRADE 9, DEMONSTRATION PROCEDURES, LABORATORY PROCEDURES, 1964, 1965, LORGE-THORNDIKE INTELLIGENCE TEST, WATSON-GLASER CRITICAL THINKING APPRAISAL

41. SE 001 828 11 01 67 10 21 17 2 22 000 319
COULTER, JOHN CHESTER
THE EFFECTIVENESS OF INDUCTIVE LABORATORY, INDUCTIVE DEMONSTRATION, AND DEDUCTIVE LABORATORY INSTRUCTION IN BIOLOGY

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 224
*ACADEMIC ACHIEVEMENT, *BIOLOGY, *COMPARATIVE ANALYSIS, *GRADE 9, *DEDUCTIVE METHODS, *INDUCTIVE METHODS, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *TEACHING TECHNIQUE, *TEACHING PROCEDURES, DISSERTATIONS, RESEARCH REPORTS, UNIVERSITY OF MINNESOTA, 1965, LORGE-THORNDIKE INTELLIGENCE TEST, WATSON-GLASER CRITICAL THINKING APPRAISALS, UNIVERSITY OF MINNESOTA LABORATORY SCHOOL

42. SE 000 927 09 08 67 10 72 17 2 00 000 004
CRAIG, ROBERT C. AND HOLSBACH, SISTER M. CELESTINE
UNTILIZING EXISTING INTERESTS TO DEVELOP OTHERS IN GENERAL SCIENCE CLASSES

SCHOOL SCIENCE AND MATHEMATICS

02 00 64 5
*GENERAL SCIENCE, *GRADE 8, *INSTRUCTIONAL PROCEDURES, *INSTRUCTION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *STUDENT INTERESTS, INTERESTS, STUDENT CHARACTERISTICS

43. SE 001 894 08 18 67 10 33 38 1 00 000 002
CRANE, H. R.
REMEDIAL PROGRAMS

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06 00 64 10
*AUTOINSTRUCTIONAL AIDS, *COLLEGE SCIENCE, *INSTRUCTIONAL PROCEDURES, *PHYSICS, *PROGRAMED INSTRUCTION, *PROGRAMED MATERIALS, *REMEDIAL PROGRAMS

44. SE 000 987 06 08 67 10 83 20 1 00 000 001
CROOKS, KENNETH B. M.
SUGGESTIONS FOR TEACHING THE SCIENTIFIC METHOD

THE AMERICAN BIOLOGY TEACHER

03 00 61 4
COLLEGE SCIENCE, *PAPERS, SCIENCE INSTRUCTION, SCIENTIFIC METHOD, SCIENCE ACTIVITIES, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, NATIONAL ASSOCIATION OF BIOLOGY TEACHERS, 1958

45. SE 001 829 11 14 67 19 32 17 2 22 000 319
CRUMB, GLEN H.
A STUDY OF UNDERSTANDING SCIENCE DEVELOPED IN HIGH SCHOOL PHYSICS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 230
*ACADEMIC ACHIEVEMENT, *COMPARATIVE ANALYSIS, *EVALUATION, *INSTRUCTION, *PHYSICS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, CONVENTIONAL INSTRUCTION, CURRICULUM, DOCTORAL THESES, IOWA, KANSAS, MISSOURI, NEBRASKA, TEST ON UNDERSTANDING SCIENCE, OTIS QUICK SCORING TEST OF MENTAL ABILITY, (GAMMA FORM Em), TEST TWO ITED (BACKGROUND IN NATURAL SCIENCE)

46. SE 001 054 08 22 67 10 82 17 1 00 000 006
CRUMB, GLENN H. AND DOUGLAS, THOMAS
SCIENCE AND TECHNOLOGY IN A MODERN SOCIETY

SCIENCE EDUCATION

02 00 67 4
*COURSE CONTENT, *SECONDARY SCHOOL SCIENCE, *SCIENCE AND SOCIETY, *SOCIAL STUDIES/SCIENCE COURSES, ACADEMIC ACHIEVEMENT, INTEGRATED COURSES, INSTRUCTION, RESEARCH REPORTS, SCIENCE AND HUMANITIES, SOCIAL SCIENCE EDUCATION, TEST ON UNDERSTANDING SCIENCE, 1963, UNIVERSITY OF NEBRASKA

47. SE 000 169 06 28 67 10 12 17 1 00 000 006
CULVER, IVON E.
PUPIL PROBLEMS IN LEARNING SECONDARY SCHOOL BIOLOGY

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*BIOLOGY, *LEARNING, *LEARNING DIFFICULTIES, *SECONDARY SCHOOLS, SCIENCE EDUCATION, RESEARCH REPORTS, 1952, PENNSYLVANIA STATE TEACHERS COLLEGE, WEST CHESTER, PENNSYLVANIA, PHILADELPHIA, PENNSYLVANIA, UPPER DARBY SENIOR HIGH SCHOOL, UPPER DARBY, PENNSYLVANIA, McNEMAR

48. SE 000 032 10 30 67 10 85 20 2 00 000 004
CUNNINGHAM, JOHN D.
ON CURIOSITY AND SCIENCE EDUCATION

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66 12
*CURIOSITY, *CURRICULUM DEVELOPMENT, *EDUCATIONAL OBJECTIVES, *INSTRUCTION, *LEARNING THEORIES, *MOTIVATION, EDUCATIONAL PSYCHOLOGY, SCIENCE EDUCATION

49. SE 001 768 11 09 67 10 15 15 2 00 000 327
DARLINGTON, C. D. AND BRADSHAW, A. D.
TEACHING GENETICS IN SCHOOL AND UNIVERSITY

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66 124
*BIOLOGY, *COLLEGE SCIENCE, *GENETICS, *TEACHING TECHNIQUES, INSTRUCTION, SCIENCE ACTIVITIES, PAPERS, SECONDARY SCHOOL SCIENCE, TEACHER SOURCEBOOKS, 1963

50. SE 001 830 11 09 67 19 92 17 2 22 000 319
DAVIS, CHARLES RICHARD
SELECTED TEACHING-LEARNING FACTORS CONTRIBUTING TO ACHIEVEMENT IN CHEMISTRY AND PHYSICS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

64 362
*ACADEMIC ACHIEVEMENT, *CHEMISTRY, *INSTRUCTION, *PHYSICS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *TEACHER CHARACTERISTICS, *TEACHING METHODS, *TEACHER EDUCATION, DOCTORAL THESES, EVALUATION, TEACHER BACKGROUND, TEACHER EXPERIENCE, TEACHING TECHNIQUES, TEACHER QUALIFICATIONS, NATIONAL SCIENCE FOUNDATION, 1964

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DAVIS, JOSEPH E., JR.
ICE CALORIMETRY IN THE UPPER ELEMENTARY GRADES

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*ELEMENTARY SCHOOL SCIENCE, *ENERGY, *HEAT, *INTERMEDIATE GRADES, *SCIENCE ACTIVITIES, PHYSICS, WASHINGTON ELEMENTARY SCHOOL (BERKELEY, CALIFORNIA), SCIENCE CURRICULUM IMPROVEMENT STUDY

52. SE 000 275 08 25 67 10 92 17 2 00 000 007
DAVIS, RUSSELL C.
TEACHER ASSESSMENT OF TEAM TEACHING

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12 00 66 2
*INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *TEAM TEACHING, *TEACHING TECHNIQUES, CURRICULUM, EVALUATION

53. SE 001 929 11 09 67 10 93 17 2 22 000 319
DePROSPO, NICHOLAS D.
DEVELOPING SCIENTIFIC ATTITUDES BY RESPONDING ACTIVELY TO MOTION PICTURES - A STUDY TO DETERMINE IF RESPONDING ACTIVELY TO SELECTED MOTION PICTURES BY IDENTIFYING THE PROBLEM-SOLVING SKILLS . . . . .
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*BIOLOGY, *COLLEGE SCIENCE, *HIGHER EDUCATION SCIENCE, *INSTRUCTION, *RESEARCH REPORTS, *SCIENTIFIC ATTITUDES, *STUDENT ATTITUDES, AUDIOVISUAL AIDS, DOCTORAL THESES, EVALUATION, FILMS, GENERAL SCIENCE, PROBLEM SOLVING, TEACHING METHODS, UNDERGRADUATE STUDY, SETON HALL UNIVERSITY, 1957, SCALE OF SUSPENDED JUDGMENT

54. SE 001 928 08 18 67 10 92 17 2 22 000 319
DONALDSON, ROBERT RYMAL
A STUDY OF METHODS FOR TEACHING RAPID LEARNERS IN SECONDARY SCHOOL SCIENCE

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55 247
*ABLE STUDENTS, *RESEARCH REPORTS, *STUDENT MOTIVATION, *SCIENCE CAREERS, *TEACHING METHODS, EVALUATION, SECONDARY SCHOOL SCIENCE, STUDENT ATTITUDES

55. SE 001 833 11 14 67 10 15 17 2 22 000 319
DONOR, ALBERT EDWARD, JR.
AN INVESTIGATION OF THE VALUE OF STUDENT-MADE DRAWINGS IN INTRODUCTORY COLLEGE BIOLOGY LABORATORY COURSES

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 111
*ACADEMIC ACHIEVEMENT, *BIOLOGY, *COLLEGE SCIENCE, *CRITICAL THINKING, *INSTRUCTION, *RESEARCH REPORTS, *STUDENT DRAWINGS, DOCTORAL THESES, EVALUATION, OBSERVATION SKILLS, SCIENCE ACTIVITIES, SECONDARY SCHOOL SCIENCE, NASSAU COMMUNITY COLLEGE, WATSON-GLASER CRITICAL THINKING APPRAISAL, NELSON BIOLOGY TEST

56. SE 001 186 10 09 67 10 32 20 2 00 000 009
DROZIN, V. G.
WHAT SHOULD BE DONE TO INCREASE THE ENROLLMENT IN PHYSICS

THE PHYSICS TEACHER

01 00 66 4
*INSTRUCTION, *PHYSICS, *SECONDARY SCHOOL SCIENCE, *STUDENT ENROLLMENT, PAPERS, TEACHER EDUCATION

57. SE 001 959 08 23 67 10 91 17 2 22 000 319
DURKEE, MARY CATHERINE
A STUDY OF ACTIVITIES WHICH CAN BE USED IN ELEMENTARY SCIENCE TO ENABLE STUDENTS TO ARRIVE AT AN UNDERSTANDING OF GENERALIZATIONS RECOMMENDED BY SYLLABUSES OF STATE EDUCATION DEPARTMENTS
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

58 518
*COURSE CONTENT, *CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *SCIENCE ACTIVITIES, *TEACHING METHODS, CURRICULUM, EVALUATION, INSERVICE EDUCATION, PRESERVICE EDUCATION, RESEARCH REPORTS, TEXTBOOKS, 1958

58. SE 001 206 08 28 67 10 91 17 2 22 000 319
DUTTON, SHERMAN SUMPTER
AN EXPERIMENTAL STUDY IN THE PROGRAMMING OF SCIENCE INSTRUCTION FOR THE FOURTH GRADE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 146
*CONCEPT DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *PROGRAMED INSTRUCTION, *RESEARCH REPORTS, *TEACHING METHODS, ENERGY, GRADE 4, AUTOINSTRUCTIONAL AIDS, HEAT, LIGHT, SOUND, SCIENCE ACTIVITIES

59. SE 001 932 11 14 67 10 33 17 2 22 000 319
DWORKIN, SOLOMON
THE PRODUCTION AND EVALUATION OF FOUR SOUND FILMSTRIPS ON THE SUBJECT OF ATOMIC BONDING, DESIGNED AS A SUBSTITUTE FOR THE LIVE CLASSROOM LECTURE - A CASE STUDY
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

58 161
*AUDIOVISUAL AIDS, *ATOMIC BONDING, *COLLEGE SCIENCE, *INSTRUCTION, *FILMSTRIPS, *RESEARCH REPORTS, ACHIEVEMENT, COMPARATIVE ANALYSIS, DOCTORAL THESES, PHYSICS, TEACHING METHODS, BELL TELEPHONE LABORATORIES, 1958

60. SE 000 193 07 05 67 10 86 20 1 00 000 007
FAWCETT, H. H.
CLASSROOM IDEAS - SAFETY CHEMICAL BOOBYTRAPS - AN URGENT APPEAL

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*CHEMISTRY, *LABORATORY SAFETY, *SAFETY, *SECONDARY SCHOOL SCIENCE, AMERICAN CHEMICAL SOCIETY, COMMITTEE ON CHEMICAL SAFETY, NATIONAL ACADEMY OF SCIENCES

61. SE 000 932 08 15 67 10 72 19 1 00 000 004
FISCHLER, ABRAHAM
JUNIOR HIGH SCHOOL SCIENCE

SCHOOL SCIENCE AND MATHEMATICS

01 00 64 4
*EDUCATIONAL OBJECTIVES, *INSTRUCTIONAL PROCEDURES, *SCIENTIFIC METHODOLOGY, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, *TEACHING TECHNIQUES, GRADE 7, GRADE 8, GRADE 9, SCIENTIFIC ENTERPRISE, PROBLEM SOLVING, SPEECHES

62. SE 001 996 09 14 67 10 22 17 2 22 000 319
FONSWORTH, EMILE CHARLES
THE USE OF THE REFLECTIVE-THINKING APPROACH IN THE TEACHING OF HIGH SCHOOL CHEMISTRY

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

57 141
*CHEMISTRY, *CRITICAL THINKING, *INSTRUCTION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, EVALUATION, PROBLEM SOLVING, SCIENTIFIC METHODOLOGY, TEACHING PROCEDURES, REFLECTIVE THINKING, 1957

63. SE 000 823 07 27 67 10 92 29 1 00 000 008
FOWLER, H. SEYMOUR
SECONDARY SCHOOL SCIENCE TEACHER EDUCATION AT THE PENNSYLVANIA STATE UNIVERSITY

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*GRADUATION REQUIREMENTS, *STUDENT TEACHING, *TEACHER EDUCATION PROGRAMS, ADMISSION REQUIREMENTS, PRESERVICE EDUCATION, SECONDARY SCHOOL SCIENCE, STUDENT TEACHER SUPERVISION, PENNSYLVANIA STATE UNIVERSITY

64. SE 000 484 09 22 67 10 95 20 1 00 000 007
FOX, DENIS L.
AN INTEGRATIVE TETRAHEDRON OF BASIC DISCIPLINES

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*CONCEPT FORMATION, *MODELS, *SCIENCE EDUCATION, *TEACHING TECHNIQUES, BIOLOGY, CHEMISTRY, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, PHYSICS, SECONDARY SCHOOL SCIENCE, SCIENCE EQUIPMENT, SCRIPPS INSTITUTE OF OCEANOGRAPHY

65. SE 001 837 11 14 67 10 53 17 2 33 000 319
FREDENBURG, ROBERT LOVE
INTEREST CHANGE OCCASIONED BY TWO TYPES OF INSTRUCTION IN A COLLEGE GENERAL EDUCATION PHYSICAL SCIENCE COURSE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 156
*COLLEGE SCIENCE, *GENERAL EDUCATION, *INSTRUCTION, *PHYSICAL SCIENCES, *RESEARCH REPORTS, *STUDENT INTERESTS, *TEACHING TECHNIQUES, COMPARATIVE ANALYSIS, DOCTORAL THESES, CHICO STATE COLLEGE, CALIFORNIA

66. SE 001 838 11 14 67 10 81 17 2 22 000 319
FRYBACK, WILLIAM H.
EVALUATION OF MULTI-LEVEL READING MATERIALS, INTRA-CLASS DISCUSSION TECHNIQUES AND STUDENT EXPERIMENTATIONS ON ACHIEVEMENT IN FIFTH GRADE ELEMENTARY SCIENCE
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 125
*ACADEMIC ACHIEVEMENT, *ELEMENTARY SCHOOL SCIENCE, *GRADE 5, *INSTRUCTIONAL MATERIALS, *INSTRUCTION, *READING LEVEL, *RESEARCH REPORTS, *TEACHING PROCEDURES, DOCTORAL THESES, STUDENT ACTIVITIES, PORTLAND, OREGON

67. SE 001 271 09 08 67 10 12 17 2 22 000 319
GALE, CALVIN WILLIAM
AN ANALYSIS OF CERTAIN ABILITY GROUP PLACEMENT DECISIONS RELATIVE TO THE TEAM TEACHING OF BIOLOGY

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

64 157
*ABILITY GROUPING, *BIOLOGY, *STUDENT GROUPING, *TEAM TEACHING, ACADEMIC ACHIEVEMENT, ABLE STUDENTS, COMPARATIVE STUDIES, RESEARCH REPORTS, SECONDARY SCHOOL SCIENCE, SLOW LEARNERS, HENMON-NELSON TESTS OF MENTAL ABILITY, NELSON SILENT READING TEST, STEP TEST FORM 2B (SCIENCE), WAUSAU (WISCONSIN), WISCONSIN, 1964

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GALLENTINE, JERRY LYNN
THE EFFECTS OF OVERHEAD PROJECTION ON ACHIEVEMENT IN THE BIOLOGICAL SCIENCES AT THE COLLEGE LEVEL

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 122
*ACADEMIC ACHIEVEMENT, *BIOLOGY, *COLLEGE SCIENCE, *INSTRUCTION, *OVERHEAD PROJECTION, *RESEARCH REPORTS, AUDIOVISUAL AIDS, BOTANY, DOCTORAL THESES, EMBRYOLOGY, TEACHING TECHNIQUES, UNDERGRADUATE STUDY, UNIVERSITY OF TOLEDO, WATSON-GLASER CRITICAL THINKING APPRAISAL (FORM YM)

69. SE 000 184 07 05 67 10 12 38 1 00 000 001
GANTERT, ROBERT L.
SCIENTIFIC PETS IN THE SCHOOL

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*BIOLOGY, *LABORATORY TECHNIQUES, *SECONDARY SCHOOL SCIENCE, TEACHING TECHNIQUES, INSTRUCTION, 1966, NATHAN HALE HIGH SCHOOL, SEATTLE, WASHINGTON

70. SE 001 840 11 14 67 19 81 17 2 22 000 319
GEHRMAN, JOSEPH LEO
A STUDY OF THE IMPACT OF AUTHORITATIVE COMMUNICATION OF EXPECTED ACHIEVEMENT UPON ACTUAL ACHIEVEMENT IN ELEMENTARY SCHOOL SCIENCE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 121
*ACADEMIC ACHIEVEMENT, *EDUCATIONAL COUNSELING, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *RESEARCH REPORTS, *STUDENT INTERVIEWS, STUDENT EVALUATION, SELF-EVALUATION, *TEST INTERPRETATION, DOCTORAL THESES, 1965, GRADE 8, SEQUENTIAL TEST OF EDUCATIONAL PROGRESS

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GELLER, MOLLY SIEGEL
THE MEASUREMENT OF THE EFFECTIVENESS OF A TEACHING MACHINE PROBLEM IN AN AREA OF COLLEGE CHEMISTRY

UNIVERSITY MICROFILM, ANN ARBOR, MICHIGAN

62 119
*CHEMISTRY, *COLLEGE SCIENCE, *COMPARATIVE STUDIES, *CONVENTIONAL INSTRUCTION, *INSTRUCTION, *PROGRAMED INSTRUCTION, ACADEMIC ACHIEVEMENT, ACHIEVEMENT, INSTRUCTIONAL PROCEDURES, ORGANIC CHEMISTRY, RESEARCH REPORTS, KONCEPT-O-GRAPH (TEACHING MACHINE), 1962

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GENTRY, CASTELLE GARLAND
RELATIVE EFFECTIVENESS OF DISCOVERY AND EXPOSITORY METHODS OF TEACHING CONCEPTS THROUGH THE SINGLE-CONCEPT FILM

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

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*BIOLOGY, *CONCEPT FORMATION, *INSTRUCTION, *PROGRAMED INSTRUCTION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *SINGLE CONCEPT FILMS, *TEACHING PROCEDURES, AUDIOVISUAL AIDS, DISCOVERY PROCESSES, DOCTORAL THESES, FILMS, GRADE 8, INTELLIGENCE LEVEL, 1965

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GEORGE, KENNETH D.
THE EFFECT OF BSCS AND CONVENTIONAL BIOLOGY ON CRITICAL THINKING

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*BIOLOGY, *CRITICAL THINKING, *PROBLEM SOLVING, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, CONVENTIONAL INSTRUCTION, BIOLOGICAL SCIENCES CURRICULUM STUDY, WATSON-GLASER CRITICAL THINKING APPRAISAL, OTIS QUICK SCORING MENTAL ABILITY TESTS (GAMMA TEST, FORM FM), 1965

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GEORGE, KENNETH D.
AN EXPERIMENTAL EVALUATION OF BSCS AND CONVENTIONAL BIOLOGY BY COMPARING THEIR EFFECT ON CRITICAL-THINKING ABILITY

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*ACADEMIC ACHIEVEMENT, *BIOLOGY, *CRITICAL THINKING, *RESEARCH REPORTS, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, CONVENTIONAL INSTRUCTION, DOCTORAL THESES, WATSON-GLASER CRITICAL THINKING APPRAISAL, OTIS QUICK SCORING MENTAL ABILITY TEST, BIOLOGICAL SCIENCES CURRICULUM STUDY, BLUE VERSION, GREEN VERSION, YELLOW VERSION

75. SE 000 404 08 21 67 10 92 38 1 00 000 007
GILLELAND, FRANK W.
. . . AND THE TRUTH SHALL MAKE THEM FREE

THE SCIENCE TEACHER

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*SLOW LEARNERS, *SECONDARY SCHOOL SCIENCE, *TEACHING PROCEDURES, RETARDED READERS, SCIENCE ACTIVITIES, 1965, MARYVALE HIGH SCHOOL, PHOENIX (ARIZONA), ARIZONA

76. SE 000 738 09 07 67 10 95 20 3 00 000 130
GLASER, ROBERT
THE DESIGN OF INSTRUCTION

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66 30
*EDUCATIONAL OBJECTIVES, *EVALUATION, *LEARNING THEORY, *TEACHING METHODS, CONCEPT FORMATION, INSTRUCTION, MOTIVATION, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

77. SE 001 844 11 14 67 02 92 17 2 22 000 319
GOMEZ, SEVERO
AN EVALUATION OF THE ORGANIZATIONAL FEATURES AND INSTRUCTIONAL METHODS OF THE JUNIOR HIGH SCHOOL SCIENCE PROGRAM IN SELECTED TEXAS SCHOOLS
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 233
*ACADEMIC ACHIEVEMENT, *CURRICULUM, *COMPARATIVE ANALYSIS, *GENERAL SCIENCE, *RESEARCH REPORTS, *SEQUENTIAL PROGRAMS, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, BIOLOGY, CURRICULUM EVALUATION, DOCTORAL THESES, EARTH SCIENCE, JUNIOR HIGH SCHOOLS, NONSEQUENTIAL PROGRAMS, PHYSICAL SCIENCES, SOCIOECONOMIC INFLUENCE, TEXAS, 1965

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GRANT, DOROTHY A.
DISSECTION - AN AID TO CONCEPT FORMATION

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*BIOLOGY, *DISSECTION, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, CONCEPT FORMATION, TEACHING TECHNIQUES

79. SE 001 845 11 20 67 10 85 17 2 22 000 319
GRANT, DOROTHY ANN
PROBLEM SOLVING IN TEACHING WITH EMPHASIS ON INSTRUCTION IN SCIENCE PROGRAMS FOR THE EARLY ADOLESCENT

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

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*CLASSROOM ENVIRONMENT, *EDUCATIONAL OBJECTIVES, *PROBLEM SOLVING, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, DOCTORAL THESES, ELEMENTARY SCHOOL SCIENCE, QUESTIONING TECHNIQUES, RESEARCH REPORTS, 1965

80. SE 000 956 10 19 67 10 12 20 2 00 000 001
GROBMAN, HULDA
ASSIGNMENT OF STUDENTS TO TRACKS IN BIOLOGY

AMERICAN BIOLOGY TEACHER

12 00 65 2
*BIOLOGY, *INSTRUCTIONAL PROCEDURES, *PAPERS, *SECONDARY SCHOOL SCIENCE, SCIENCE COURSE IMPROVEMENT PROJECT, BIOLOGICAL SCIENCES CURRICULUM STUDY, BLUE VERSION (BSCS), GREEN VERSION (BSCS), YELLOW VERSION (BSCS), BSCS SPECIAL MATERIALS, DIFFERENTIAL ABILITY TEST, 1964

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HARRIS, WILLIAM NED
AN ANALYSIS OF PROBLEM-SOLVING BEHAVIOR IN SIXTH-GRADE CHILDREN, AND OF THE USEFULNESS OF DRAWINGS BY THE PUPIL IN LEARNING SCIENCE CONCEPTS
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62 332
*ELEMENTARY SCHOOL SCIENCE, *EVALUATION, *INSTRUCTION, *PROBLEM SOLVING, *RESEARCH REPORTS, CONCEPT FORMATION, DRAWING, GRADE 6, MOLECULAR THEORY, INSTRUCTIONAL PROCEDURES, 1962, MICHIGAN

82. SE 001 984 10 18 67 19 33 17 2 22 000 319
HENKEL, ELMER THOMAS
A STUDY OF CHANGES IN CRITICAL THINKING ABILITY AS A RESULT OF INSTRUCTION IN PHYSICS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 114
*ACADEMIC ACHIEVEMENT, *COLLEGE SCIENCE, *CRITICAL THINKING, *PHYSICS, *RESEARCH REPORTS, DOCTORAL DISSERTATIONS, STUDENT CHARACTERISTICS, TEACHING PROCEDURES, WATSON-GLASER CRITICAL THINKING APPRAISAL, UNIVERSITY OF TOLEDO, IOWA PLACEMENT EXAMINATION - PHYSICS, 1965

83. SE 000 483 07 13 67 10 52 38 1 00 000 007
HIGGINS, JON
A SIMPLE APPARATUS FOR EXPERIMENTAL DISCOVERY OF BOYLE'S LAW

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04 00 66 3
*PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, *TEACHING TECHNIQUES, GAS LAWS, SCIENCE EQUIPMENT, SCIENCE ACTIVITIES

84. SE 000 367 08 18 67 10 86 30 2 00 000 010
HINMON, DEAN E.
PROBLEM SOLVING

SCIENCE AND CHILDREN

04 00 66 2
*COGNITIVE DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *PROBLEM SOLVING, *SCIENCE TEACHING, *TEACHING TECHNIQUES

85. SE 000 179 07 05 67 10 12 38 1 00 000 001
HUMMER, PAUL J.
STUDENT LABORATORY ASSISTANTS IN HIGH SCHOOL BIOLOGY

THE AMERICAN BIOLOGY TEACHER

10 00 66 3
*BIOLOGY, *LABORATORY PROCEDURES, *LABORATORY ASSISTANTS, *SECONDARY SCHOOL SCIENCE, 1966, LINGANORE HIGH SCHOOL, FREDERICK, MARYLAND

86. SE 001 211 07 25 67 10 92 17 2 22 000 319
HUNT, EDWARD GEORGE
TEAM TEACHING IN JUNIOR HIGH SCHOOL SCIENCE AND SOCIAL STUDIES
#64-3538

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63 105
*SECONDARY SCHOOL SCIENCE, *ACADEMIC ACHIEVEMENT, *TEAM TEACHING, *TEACHING METHODS, GRADE 7, SECONDARY SCHOOL SOCIAL STUDIES, RESEARCH REPORTS, WARWICK, (RHODE ISLAND)

87. SE 000 043 08 16 67 10 12 17 3 00 000 008
HURD, PAUL DeHART AND ROWE, MARY BUDD
A STUDY OF SMALL GROUP DYNAMICS AND PRODUCTIVITY IN THE BSCS LABORATORY BLOCK PROGRAM

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03 00 66 7
*BIOLOGY, *GROUP DYNAMICS, *SMALL GROUP INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *ACADEMIC ACHIEVEMENT, BIOLOGICAL SCIENCES CURRICULUM STUDY, BSCS LABORATORY BLOCKS, SCHOLASTIC APTITUDE TEST (COLLEGE ENTRANCE EXAMINATIONS BOARD), FUNDAMENTAL INTERPERSONAL RELATIONS ORIENTATION - BEHAVIOR, BUTTMAN SCALING, BSCS BLUE VERSION, TEST ON UNDERSTANDING SCIENCE

88. SE 001 848 11 20 67 02 22 17 2 22 000 319
HERRON, JAMES DUDLEY
A FACTOR ANALYTIC AND STATISTICAL COMPARISON OF CHEM STUDY AND CONVENTIONAL CHEMISTRY IN TERMS OF THEIR DEVELOPMENT OF COGNITIVE ABILITIES
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 170
*ACADEMIC ACHIEVEMENT, *CURRICULUM, *CURRICULUM EVALUATION, *COGNITIVE DEVELOPMENT, *COMPARATIVE ANALYSIS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *CHEMISTRY, DOCTORAL THESES, EVALUATION, CONVENTIONAL INSTRUCTION, WATSON-GLASER CRITICAL THINKING APPRAISAL, ITED (IOWA TEST OF EDUCATIONAL DEVELOPMENT), CHEMICAL EDUCATION MATERIALS STUDY, 1965

89. SE 001 521 11 01 67 18 91 16 2 13 000 200
ILLINOIS STATE DEPARTMENT OF EDUCATION
STRENGTHENING SCIENCE TEACHING IN ELEMENTARY SCHOOLS

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63 184
*CURRICULUM GUIDES, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *TEACHING TECHNIQUES, BIOLOGY, EARTH SCIENCE, INSTRUCTION, SCIENCE DEMONSTRATIONS, TEACHER SOURCEBOOKS, OFFICE OF THE SUPERINTENDENT OF PUBLIC INSTRUCTION (SPRINGFIELD, ILLINOIS), 1963

90. SE 000 429 07 26 67 10 82 20 1 00 000 007
JABLONSKI, JOHN R.
HIGH SCHOOL STUDENT RESEARCH - FACT OR FANCY?

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04 00 64 3
*SECONDARY SCHOOL SCIENCE, *STUDENT RESEARCH, *SCIENTIFIC METHODOLOGY, *TEACHING METHODS, CURRICULUM DEVELOPMENT, NATURAL SCIENCES

91. SE 001 229 11 02 67 10 52 17 2 22 000 319
JACKSON, HAROLD FRANKLIN
THE EFFECTIVENESS OF USING FILMED COURSES IN PHYSICS AND CHEMISTRY IN ADDITION TO THE TRADITIONAL LECTURE-LABORATORY COURSES IN HIGH SCHOOL
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 101
*CHEMISTRY, *COMPARATIVE ANALYSIS, *INSTRUCTION, *PHYSICS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *ACADEMIC ACHIEVEMENT, *TEACHING METHODS, AUDIOVISUAL AIDS, FILMS, FILMED COURSES, 1963, STEP TESTS (SCIENCE, FORM 2A), THE AMERICAN INSTITUTE FOR RESEARCH PHYSICS TEST, PHYSICAL SCIENCE STUDY COMMITTEE, ENCYCLOPEDIA BRITANNICA FILMS, HARVEY WHITE FILMS

92. SE 001 983 09 14 67 10 72 17 2 22 000 319
KAHN, PAUL
AN EXPERIMENTAL STUDY TO DETERMINE THE EFFECT OF A SELECTED PROCEDURE FOR TEACHING THE SCIENTIFIC ATTITUDES TO SEVENTH AND EIGHTH GRADE BOYS THROUGH THE USE OF CURRENT EVENTS IN SCIENCE
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

55 167
*GRADE 7, *GRADE 8, *INSTRUCTIONAL PROCEDURES, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *SCIENTIFIC ATTITUDES, *TEACHING METHODS, CURRENT EVENTS, INSTRUCTION, STUDENT ATTITUDES, 1955

93. SE 001 283 08 29 67 10 13 17 2 22 000 319
KANTASEIVI, NIPHON
EXPERIMENTS IN THE USE OF PROGRAMED MATERIALS IN TEACHING AN INTRODUCTORY COURSE IN THE BIOLOGICAL SCIENCES AT THE COLLEGE LEVEL
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

64 187
*ACADEMIC ACHIEVEMENT, *COLLEGE SCIENCE, *INSTRUCTIONAL PROCEDURES, *PROGRAMED INSTRUCTION, *RESEARCH REPORTS, *TEACHING METHODS, BACTERIOLOGY, BIOLOGY, INSTRUCTION, COMPARATIVE STUDIES, 1963

94. SE 000 782 06 30 67 10 13 17 1 00 000 008
KAPLAN, EUGENE H.
EMPIRICISM AS A FUNCTION OF TRAINING IN THE SCIENTIFIC METHOD

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12 00 63 12
*COLLEGE SCIENCE, *OBSERVATION (SCIENTIFIC), *SCIENTIFIC METHODOLOGY, *STUDENT ATTITUDES, *TEACHING METHODS, PERCEPTION, PROBELM SOLVING, BURMESTER TEST OF ASPECTS OF SCIENTIFIC THINKING, GUIDE FOR LABORATORY STUDIES - BIOLOGICAL SCIENCE, SCHOLASTIC APTITUDE TEST (COLLEGE ENTRANCE EXAMINATIONS BOARD), COLLEGE ENTRANCE EXAMINATIONS BOARD, WATSON-GLASER CRITICAL THINKING APPRAISAL

95. SE 001 223 08 28 67 10 15 17 2 22 000 319
KAPLAN, EUGENE HERBERT
EMPIRICISM AS A FUNCTION OF TRAINING IN THE SCIENTIFIC METHOD

UNIVERSITY MICROFILM, ANN ARBOR, MICHIGAN

63 334
*BIOLOGY, *EMPRIRICISM, *PROBLEM SOLVING, *RESEARCH REPORTS, *INSTRUCTIONAL PROCEDURES, SCIENTIFIC METHODOLOGY

96. SE 001 622 11 17 67 10 31 30 1 00 000 010
KARPLUS, ROBERT AND POWELL, CYNTHIA ANN
OBJECTS GRAB BAG AND MEET MR. O.

SCIENCE AND CHILDREN

10 00 63 6
*CONCEPT FORMATION, *CLASSROOM GAMES, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, *MECHANICS, *PHYSICS, *SCIENCE ACTIVITIES, GRADE 1, MOTION, RELATIVE MOTION, SCIENCE EXPERIMENTS, TEACHING TECHNIQUES, SCIENCE CURRICULUM IMPROVEMENT STUDY, NATIONAL SCIENCE FOUNDATION, GREENBELT, MARYLAND

97. SE 000 783 06 30 67 10 12 17 1 00 000 008
KASTRINOS, WILLIAM
TEACHING FOR CRITICAL THINKING IN HIGH SCHOOL BIOLOGY

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12 00 63 10
*BIOLOGY, *CRITICAL THINKING, *SCIENTIFIC METHODOLOGY, *SECONDARY SCHOOL SCIENCE, TEACHING METHODS, LORGE-THORNDIKE INTELLIGENCE TEST, UNIVERSITY OF ILLINOIS TEST OF ABILITY TO JUDGE INTERPRETATIONS OF DATA, NOVAK PROBLEM SOLVING TEST, NELSON BIOLOGY TEST, WATSON-GLASER CRITICAL THINKING APPRAISAL - FORM A, THE KASTRINOS CRITICAL THINKING TEST, RESEARCH REPORTS

98. SE 001 506 07 03 67 10 22 20 1 00 000 004
KETTLEHUT, JAY A.
SHOULD I USE A SEMI-MICRO LABORATORY?

SCHOOL SCIENCE AND MATHEMATICS

11 00 64 3
*CHEMISTRY, *MACRO LABORATORY TECHNIQUES, *SEMI-MICRO LABORATORY TECHNIQUES, *SECONDARY SCHOOL SCIENCE, LABORATORY PROGRAMS, PAPERS, TEACHING TECHNIQUES

99. SE 000 569 06 29 67 10 35 19 1 00 000 002
KING, JOHN G.
ON PHYSICS PROJECT LABORATORIES

AMERICAN JOURNAL OF PHYSICS

11 00 66 5
*COLLEGE SCIENCE, *LABORATORY PROGRAMS, *SCIENCE ACTIVITIES, *PHYSICS, *STUDENT SCIENCE PROJECTS, *LECTURES, AMERICAN ASSOCIATION OF PHYSICS TEACHERS, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASSACHUSETTS

100. SE 000 131 10 18 67 10 25 20 2 00 000 007
KING, L. CARROLL
MOLECULAR ARCHITECTURE

THE SCIENCE TEACHER

09 00 66 8
*CHEMISTRY, *COLLEGE SCIENCE, *STRUCTURAL THEORY, *SECONDARY SCHOOL SCIENCE, ATOMIC STRUCTURE, AUDIOVISUAL AIDS, MOLECULAR STRUCTURE, MOLECULAR GEOMETRY, MOLECULAR MODELS, NATIONAL SCIENCE TEACHERS ASSOCIATION

101. SE 000 930 11 16 67 19 92 17 2 00 000 004
KLANSMEIER, HERBERT J. AND WIERSMA, WILLIAM
EFFECTS OF CONDENSING CONTENT IN MATHEMATICS AND SCIENCE IN THE JUNIOR AND SENIOR HIGH SCHOOL

SCHOOL SCIENCE AND MATHEMATICS

01 00 64 8
*ABLE STUDENTS, *ACADEMIC ACHIEVEMENT, *CURRICULUM DEVELOPMENT, *COURSE CONTENT, *INSTRUCTION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *SECONDARY SCHOOL MATHEMATICS, BIOLOGY, GENERAL SCIENCE, LORGE-THORNDIKE INTELLIGENCE TEST, IOWA TEST OF BASIC SKILLS, STANFORD ACHIEVEMENT TEST, SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS, LANKTON FIRST YEAR ALGEBRA TEST, HENMON-NELSON TEST OF MENTAL ABILITY, 1964, TEST ON UNDERSTANDING SCIENCE

102. SE 001 858 11 01 67 10 92 17 2 22 000 319
KLEPPINGER, EDWARD W.
AN HISTORICAL AND EXPERIMENTAL APPROACH TO THE TEACHING OF ATOMIC STRUCTURE AND SCIENCING

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 199
*ATOMIC STRUCTURE, *CHEMISTRY, *CURRICULUM, *DISSERTATIONS, *INSTRUCTION, *PHYSICS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, CRITICAL THINKING, GENERAL SCIENCE, SCIENCE ACTIVITIES, 1965, WATSON-GLASER CRITICAL THINKING APPRAISAL, TEST ON UNDERSTANDING SCIENCE,

103. SE 000 821 07 27 67 10 92 29 1 00 000 008
KOELSCHE, CHARLES L.
SECONDARY SCHOOL SCIENCE TEACHER EDUCATION AT THE UNIVERSITY OF GEORGIA

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01 00 65 4
*GRADUATION REQUIREMENTS, *TEACHER EDUCATION, ADMISSION REQUIREMENTS, PRESERVICE EDUCATION, SECONDARY SCHOOL SCIENCE, STUDENT TEACHING, UNIVERSITY OF GEORGIA

104. SE 001 758 10 18 67 10 23 38 1 00 000 003
KOONS, LAWRENCE F.
TEACHING KINETIC MOLECULAR THEORY BY THE FACTOR CHANGE METHOD

JOURNAL OF CHEMICAL EDUCATION

05 00 67 2
*COLLEGE SCIENCE, *CHEMISTRY, *MOLECULAR THEORY, KINETICS, INSTRUCTIONAL PROCEDURES, FACTOR CHANGE METHOD

105. SE 001 987 08 18 67 10 13 17 2 22 000 319
KUHNEN, SYBIL MARIE
THE EFFECTIVENESS OF FIELD TRIPS IN THE TEACHING OF GENERAL BOTANY

UNIVERSITY MICROFILM, ANN ARBOR, MICHIGAN

60 329
*BOTANY, *FIELD TRIPS, *COLLEGE SCIENCE, *SCIENCE ACTIVITIES, *RESEARCH REPORTS, *STUDENT INTERESTS, ACHIEVEMENT, PRINCIPLES APPLICATION, COOPERATIVE TEST SERVICE, APPLICATION OF PRINCIPLES, FORM 1935, APPLICATION OF PRINCIPLES, FORM 1936, NEW JERSEY

106. SE 000 891 08 16 67 10 81 38 1 00 000 006
LANGUIS, MARLIN AND STULL, LORREN L.
SCIENCE PROBLEMS - VEHICLES TO DEVELOP MEASUREMENT PRINCIPLES

SCIENCE EDUCATION

02 00 66 3
*ELEMENTARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *MEASUREMENT (SCIENTIFIC), *PROBLEM SOLVING, *TEACHING METHODS, PLANT DEVELOPMENT

107. SE 001 861 10 18 67 19 12 17 3 22 000 319
La SHIER, WILLIAM S.
AN ANALYSIS OF CERTAIN ASPECTS OF THE VERBAL BEHAVIOR OF STUDENT TEACHERS OF EIGHTH GRADE STUDENTS PARTICIPATING IN A BSCS LABORATORY BLOCK
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 124
*ACADEMIC ACHIEVEMENT, *ATTITUDES, *BIOLOGY, *DISSERTATION, *INSTRUCTIONAL PROCEDURES, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *STUDENT TEACHERS, *TEACHER BEHAVIOR, *VERBAL BEHAVIOR, GRADE 8, INTERACTION ANALYSIS, BIOLOGICAL SCIENCES CURRICULUM STUDY, MICHIGAN STUDENT QUESTIONNAIRE, 1965

108. SE 001 724 12 11 67 10 92 37 2 42 000 188
LeCOMPTE AND WOOD, BURRELL L.
ATOMS AT THE SCIENCE FAIR

UNITED STATES ATOMIC ENERGY COMMISSION, DIVISION OF TECHNICAL INFORMATION
09 00 64 52
*ATOMIC ENERGY, *NUCLEAR SCIENCES, *SECONDARY SCHOOL SCIENCE, *SCIENCE FAIRS, *SCIENCE PROJECTS, BIOLOGY, BIBLIOGRAPHIES, CHEMISTRY, EQUIPMENT MANUFACTURERS, GEOLOGY, GENERAL SCIENCE, INDUSTRY, INSTRUCTIONAL MATERIALS, MEDICINE, PHYSICS, SCIENCE ACTIVITIES, RADIOISOTOPE SUPPLIERS, SCIENCE EXHIBITS, ATOMIC ENERGY COMMISSION

109. SE 001 039 07 27 67 10 22 17 1 00 000 006
LEDBETTER, ELAINE W.
STUDENT-CENTERED TEACHING IN HIGH SCHOOL CHEMISTRY - AN EXPLORATORY STUDY

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03 00 66 2
*CHEMISTRY, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, ACADEMIC ACHIEVEMENT, STUDENT-CENTERED TEACHING, DIFFERENTIAL APTITUDE TEST, ANDERSON CHEMISTRY TEST, RESEARCH REPORTS, PAMPA, (TEXAS)

110. SE 000 403 08 21 67 10 12 38 1 00 000 007
LIBERSON, EUNICE AND FABIANO, ELEANOR
TEACHING BIOLOGY TO NON-ACADEMIC STUDENTS

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11 00 65 3
*BIOLOGY, *SCIENCE ACTIVITIES, *NON-COLLEGE BOUND STUDENTS, *TEACHING PROCEDURES, LABORATORY PROCEDURES, RETARDED READERS, SECONDARY SCHOOL SCIENCE

111. SE 001 864 10 30 67 10 22 17 2 22 000 319
LINDBECK, JOY S.
A STUDY OF THE EFFECTS OF RESPONSE MODE ON PROGRAMMED TEXTBOOK LEARNING RELATIVE TO ATOMIC STRUCTURE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

64 131
*ATOMIC STRUCTURE, *CHEMISTRY, *INSTRUCTIONAL PROCEDURES, *PROGRAMED INSTRUCTION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, TEXTBOOKS, 1964

112. SE 000 283 08 25 67 10 95 20 2 00 000 001
LYSAUGHT, JEROME P.
A SCIENCE OF LEARNING FOR THE LEARNING OF SCIENCE

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12 00 66 5
*COLLEGE SCIENCE, *INSTRUCTION, *PROGRAMED INSTRUCTION, PAPERS

113. SE 001 242 08 28 67 10 53 17 2 22 000 319
MACRI, ALFRED ROGER
A COMPARISON OF THE EFFECTIVENESS OF TWO TEACHING METHODS ON THE COMPETENCE OF COLLEGE STUDENTS TO UNDERSTAND ATOMIC STRUCTURE IN A ONE SEMESTER COURSE IN GENERAL PHYSICAL SCIENCE
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 173
*COLLEGE SCIENCE, *EVALUATION, *INSTRUCTION, *PHYSICAL SCIENCES, *TEACHING METHODS, AUDIOVISUAL AIDS, INSTRUCTIONAL PROCEDURES, RESEARCH REPORTS, ACADEMIC ACHIEVEMENT, 1963

114. SE 001 210 10 25 67 10 72 17 2 22 000 319
MAHAN, LUTHER ALVIN
THE EFFECT OF PROBLEM-SOLVING AND LECTURE-DISCUSSION METHODS OF TEACHING GENERAL SCIENCE IN DEVELOPING STUDENT GROWTH IN BASIC UNDERSTANDINGS, PROBLEM-SOLVING SKILLS, ATTITUDES, ...
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63 226
*ACADEMIC ACHIEVEMENT, *GENERAL SCIENCE, *INSTRUCTION, *PROBLEM SOLVING, *RESEARCH REPORTS, *SCIENTIFIC METHODOLOGY, *SECONDARY SCHOOL SCIENCE, *TEACHING TECHNIQUES, *TEACHING METHODS, GRADE 9, LECTURE, STUDENT INTERESTS, STUDENT ATTITUDES, 1963

115. SE 000 781 07 07 67 10 91 17 3 00 000 008
MASON, JOHN M.
THE DIRECT TEACHING OF CRITICAL THINKING IN GRADES FOUR THROUGH SIX

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12 00 63 10
*CRITICAL THINKING, *ELEMENTARY SCHOOL SCIENCE, *COGNITIVE PROCESSES, *COGNITIVE DEVELOPMENT, *PROBLEM SOLVING, GRADE 4, GRADE 5, GRADE 6, MICHIGAN, DEARBORN, EAST LANSING, FLINT, GROSSE POINTE, LANSING, PONTIAC, MICHIGAN STATE UNIVERSITY, NELSON CRITICAL THINKING TEST, RESEARCH REPORTS

116. SE 001 967 08 23 67 10 13 17 2 22 000 319
MASON, JOHN MURWYN
AN EXPERIMENTAL STUDY IN THE TEACHING OF SCIENTIFIC THINKING IN BIOLOGICAL SCIENCE AT THE COLLEGE LEVEL

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*ACHIEVEMENT, *BIOLOGY, *COLLEGE SCIENCE, *INSTRUCTION, *SCIENTIFIC METHODOLOGY, *TEACHING METHODS, RESEARCH REPORTS, SCIENTIFIC ATTITUDES, TESTING, 1951

117. SE 001 462 11 13 67 10 85 20 1 00 000 006
MATHENSON, JAMES H.
STUDENT LABORATORIES - AN UNDERDEVELOPED EDUCATIONAL RESOURCE

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*COLLEGE SCIENCE, *EDUCATIONAL OBJECTIVES, *INSTRUCTION, *LABORATORY INSTRUCTION, *PHYSICAL SCIENCES, LABORATORIES, PAPERS, SCIENCE FACILITIES, *SECONDARY SCHOOL SCIENCE

118. SE 001 590 11 20 67 10 53 20 1 05 000 159
MATHEWSON, JAMES H.
STUDENT LABORATORIES - AN UNDERDEVELOPED EDUCATIONAL RESOURCE
(PAPER PRESENTED AT AAAS MEETING)

AUTHOR, SAN DIEGO STATE COLLEGE, CALIFORNIA

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*COLLEGE SCIENCE, *EDUCATIONAL OBJECTIVES, *INSTRUCTION, *SCIENCE LABORATORIES, *SCIENCE ACTIVITIES, CHEMISTRY, CURRICULUM, LABORATORY EXPERIMENTS, PHYSICS, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, D. C., 1966

119. SE 000 488 08 16 67 10 51 30 1 00 000 010
Mc KEON, JOSEPH E.
A PROCESS LESSON IN DENSITY

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12 00 66 3
*DENSITY, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *PROBLEM SOLVING, BUOYANCY, PHYSICS, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

120. SE 001 292 12 11 67 10 81 17 2 22 000 319
MELIS, LLOYD HENRY
THE NATURE AND EXTENT OF READING INSTRUCTION IN SCIENCE AND SOCIAL STUDIES IN THE INTERMEDIATE GRADES OF SELECTED SCHOOL DISTRICTS
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

64 162
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *INTERMEDIATE GRADES, *RESEARCH REPORTS, *READING MATERIALS, *READING INSTRUCTION, *SOCIAL STUDIES, DOCTORAL THESES, INSTRUCTIONAL MATERIALS, SLOW LEARNERS, TEACHER EDUCATION, TEACHER QUALIFICATIONS, COOK COUNTY, 1964, ILLINOIS

121. SE 001 084 10 30 67 10 15 30 1 00 000 004
MEYER, DELBERT E.
A TECHNIQUE OF BRINGING LIVING ECOLOGICAL SYSTEMS INTO THE LABORATORY, AND THE USE OF LARGE MICROORGANISMS IN THE ILLUSTRATION OF ECOLOGICAL PRINCIPLES
SCHOOL SCIENCE AND MATHEMATICS

04 00 67 3
*COLLEGE SCIENCE, *ECOLOGY, *LABORATORY TECHNIQUES, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, *TEACHING TECHNIQUES, BIOLOGY, CULTURE, ELEMENTARY SCHOOL SCIENCE, MICROBIOLOGY

122. SE 001 972 09 12 67 10 53 17 2 22 000 319
MILLER, RAYMOND EARL
A STUDY OF THE EFFECTS OF THREE TEACHING METHODS ON THE LEARNING OF SELECTED TOPICS IN A COLLEGE PHYSICAL SCIENCE COURSE

UNIVERSITY MICROFILM, ANN ARBOR, MICHIGAN

62 176
*ACHIEVEMENT, *COLLEGE SCIENCE, *INSTRUCTION, *PHYSICAL SCIENCES, *TEACHING METHODS, LECTURE, LECTURE-DISCUSSION, READING ABILITY, RESEARCH REPORTS, BASIC PHYSICAL SCIENCE, PENNSYLVANIA, 1962

123. SE 001 871 10 18 67 02 81 17 2 22 000 319
MOOREHEAD, WILLIAM D.
THE STATUS OF ELEMENTARY SCHOOL SCIENCE AND HOW IT IS TAUGHT

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 152
*CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *RESEARCH REPORTS, *TEACHER EDUCATION, *TEACHING PROCEDURES, DOCTORAL DISSERTATIONS, EDUCATIONAL PROGRAMS, EDUCATIONAL OBJECTIVES, SCIENCE PROGRAMS, 1965

124. SE 001 290 12 11 67 10 12 17 2 22 000 319
MORHOLT, EVELYN
THE USE OF CHLORELLA TO TEACH CONCEPTUAL SCHEMES AND EXPERIMENTAL APPROACHES IN BIOLOGY - A RESOURCE UNIT TO ILLUSTRATE THE USE OF AN ORGANISM AS A FOCUS FOR THE . . . . . .
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

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*BIOLOGY, *CONCEPTUAL SCHEMES, *DISCOVERY PROCESSES, *INQUIRY, *INSTRUCTION, *UNITS OF STUDY, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, ALGAE, BOTANY, CONCEPT FORMATION, CURRICULUM DEVELOPMENT, DOCTORAL THESES, SCIENCE ACTIVITIES, SCIENCE *EXPERIMENTS, TEACHING TECHNIQUES, 1963, CHLORELLA

125. SE 001 243 11 01 67 08 13 17 2 22 000 319
MURRAY, DARREL LEE
THE TEST OF A MODEL FOR THE INTERPRETATION OF CONCEPT FORMATION USING COLLEGE BIOLOGY STUDENTS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 198
*BIOLOGY, *COLLEGE SCIENCE, *CONCEPT FORMATION, *EVALUATION METHODS, *LEARNING PROCESSES, RESEARCH REPORTS, STUDENT CHARACTERISTICS, 1963, PURDUE UNIVERSITY,

126. SE 000 024 10 26 67 10 92 17 2 51 000 279
NASCA, DONALD
EFFECT OF VARIED PRESENTATIONS OF LABORATORY EXERCISES WITHIN PROGRAMED MATERIALS ON SPECIFIC INTELLECTUAL FACTORS OF SCIENCE PROBLEM SOLVING BEHAVIOR
UNITED STATES DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, OFFICE OF EDUCATION, WASHINGTON D. C.
12 00 65 64
*GRADE 8, *PROGRAMED MATERIALS, *PROBLEM SOLVING, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, NONVERBAL PROBLEM SOLVING, VERBAL PROBLEM SOLVING, *RESEARCH REPORT, *UNUSUAL DETAILS (TEST), *MECHANICAL REASONING (TEST), UNITED STATES OFFICE OF EDUCATION, STATE UNIVERSITY OF NEW YORK AT BROCKPORT, NEW YORK, SCIENCE VOCABULARY (TEST), SCIENCE SPATIAL ORIENTATION (TEST), SEEING SCIENCE DEFICIENCIES (TEST), ETS (EDUCATIONAL TESTING SERVICE, PRINCETON, NEW JERSEY), VOCABULARY (TEST), CARD ROTATION (TEST), CUBE COMPARISON (TEST), HIDDEN PATTERNS (TEST), HIDDEN FIGURES (TEST), DIVISION (TEST), MULTIPLICATION AND SUBTRACTION (TEST), SS (SHERIDAN SUPPLY COMPANY), SEEING PROBLEMS (TEST), G (GUILFORD, HIGH APTITUDE PSYCHOLOGY LABORATORY, UNIVERSITY OF CALIFORNIA APPARATUS TEST), NELSON SILENT READING TEST (VOCABULARY), NELSON SILENT READING TEST (PARAGRAPH COMPREHENSION)

127. SE 001 029 09 12 67 10 91 17 1 00 000 006
NASCA, DONALD
EFFECT OF VARIED PRESENTATIONS OF LABORATORY EXERCISES WITHIN PROGRAMMED MATERIALS ON SPECIFIC INTELLECTUAL FACTORS OF SCIENCE PROBLEM SOLVING BEHAVIOR
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12 00 66 21
*ACADEMIC ACHIEVEMENT, *ELEMENTARY SCHOOL SCIENCE, *GRADE 6, *INSTRUCTION, *PROBLEM SOLVING, *PROGRAMED INSTRUCTION, *STUDENT CHARACTERISTICS, EVALUATION METHODS, RESEARCH REPORTS, SCIENCE ACTIVITIES, REFERENCE TESTS FOR COGNITIVE FACTORS, VOCABULARY TEST (ETS), CARD ROTATION TEST (ETS), CUBE COMPARISON TEST (ETS), HIDDEN PATTERNS TEST (ETS), HIDDEN FIGURES (ETS), MULTIPLICATION AND SUBTRACTION (ETS), MECHANICAL REASONING TEST, NELSON SILENT READING TEST, UNUSUAL DETAILS, NONVERBAL PROBLEM SOLVING TEST, UNITED STATES OFFICE OF EDUCATION, TITLE VII

128. SE 001 584 11 01 67 06 81 15 2 32 000 200
NEW YORK STATE DEPARTMENT OF EDUCATION
TIPS AND TECHNIQUES IN ELEMENTARY SCIENCE

NEW YORK STATE EDUCATION DEPARTMENT, ALBANY, BUREAU OF ELEMENTARY CURRICULUM DEVELOPMENT
66 42
*ELEMENTARY SCHOOL SCIENCE, *LABORATORY TECHNIQUES, *SCIENCE MATERIALS, *SCIENCE EQUIPMENT, *TEACHING TECHNIQUES, *TEACHER SOURCEBOOKS, PHYSICAL SCIENCES

129. SE 001 118 07 28 67 10 86 15 1 33 000 200
NORTH CAROLINA STATE DEPARTMENT OF EDUCATION
FIRE SAFETY

NORTH CAROLINA STATE DEPARTMENT OF EDUCATION

08 01 59 16
*ELEMENTARY SCHOOL SCIENCE, *FIRE HAZARDS, *STATE LEGISLATION, *SAFETY, *SECONDARY SCHOOL SCIENCE, CHEMISTRY, LEGISLATIVE ACTS, NATURAL SCIENCES, NORTH CAROLINA

130. SE 001 974 09 12 67 10 13 17 2 22 000 319
OLSON, KENNETH VICTOR
AN EXPERIMENTAL EVALUATION OF A STUDENT-CENTERED METHOD AND A TEACHER-CENTERED METHOD OF BIOLOGICAL SCIENCE INSTRUCTION FOR GENERAL EDUCATION OF COLLEGE STUDENTS
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

57 325
*ACADEMIC ACHIEVEMENT, *BIOLOGY, *COLLEGE SCIENCE, *TEACHING METHODS, COURSE CONTENT, GENERAL EDUCATION, LEARNING ACTIVITIES, RESEARCH REPORTS, STUDENT-CENTERED INSTRUCTION, TEACHER-CENTERED INSTRUCTION, 1955, 1956, NORTHERN STATE TEACHERS COLLEGE, COOPERATIVE BIOLOGY TEST, ABILITY TO THINK SCIENTIFICALLY TEST

131. SE 001 216 08 28 67 19 12 17 2 22 000 319
OLSTAD, ROGER GALE
SECONDARY SCHOOL BIOLOGY ACHIEVEMENT RELATED TO CLASS PERIOD LENGTH AND TEACHING METHOD

UNIVERSITY MICROFILM, ANN ARBOR, MICHIGAN

63 240
*BIOLOGY, *COURSE ORGANIZATION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *ACADEMIC ACHIEVEMENT, *TIME ALLOCATION, *TEACHING METHODS, PROBELM SOLVING

132. SE 001 048 07 28 67 10 92 17 1 00 000 006
ORLICH, DONALD C.
HIGHLIGHTS OF THE METHODS USED BY MONTANA SENIOR HIGH SCHOOL SCIENCE TEACHERS - PRIOR TO THE IMPACT OF FEDERAL LEGISLATION

SCIENCE EDUCATION

02 00 67 3
*RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, *TEACHER QUALIFICATIONS, AUDIOVISUAL AIDS, DEMONSTRATIONS (SCIENCE), LABORATORY INSTRUCTION, LIBRARY FACILITIES, LEGISLATIVE ACTS, SCIENCE EQUIPMENT, SCIENCE FAIRS, TEXTBOOKS, 1959, MONTANA, EVALUATION

133. SE 001 879 10 18 67 10 12 17 3 22 000 319
PARAKH, JAL S.
A STUDY OF TEACHER-PUPIL INTERACTION IN HIGH SCHOOL BIOLOGY CLASSES

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 198
*BIOLOGY, *INTERACTION ANALYSIS, *STUDENT CHARACTERISTICS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, COGNITIVE DEVELOPMENT, DOCTORAL DISSERTATIONS, CLASSROOM OBSERVATIONS, EVALUATION, LEARNING PROCESSES, OBSERVATION TECHNIQUES, 1965, NEW YORK, 1964

134. SE 001 537 07 12 67 10 32 17 1 00 000 004
PARQUE, RICHARD A.
AN EXPERIMENTAL STUDY TO INVESTIGATE THE MATHEMATICAL NEEDS OF STUDENTS IN A TRADITIONAL PHYSICS COURSE

SCHOOL SCIENCE AND MATHEMATICS

05 00 66 2
*APPLIED MATHEMATICS, *PHYSICS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, INSTRUCTIONAL PROCEDURES, MATHEMATICS, REMEDIAL MATHEMATICS, YUCAIPA HIGH SCHOOL (CALIFORNIA)

135. SE 000 822 07 27 67 10 92 29 1 00 000 008
PELLA, MILTON O.
SECONDARY SCHOOL SCIENCE TEACHER EDUCATION AT THE UNIVERSITY OF WINSCONSIN

JOURNAL OF RESEARCH IN SCIENCE TEACHING

06 00 65 4
*GRADUATION REQUIREMENTS, *TEACHER EDUCATION PROGRAMS, ADMISSION REQUIREMENTS, PRESERVICE EDUCATION, SCIENCE TEACHING METHODS COURSES, SECONDARY SCHOOL SCIENCE, STUDENT TEACHING, UNIVERSITY OF WISCONSIN

136. SE 000 899 06 23 67 10 83 17 1 00 000 006
POSTL, ANTON
THE VALUE OF LABORATORY WORK IN THE NATURAL SCIENCES FOR STUDENTS IN PROGRAMS OF GENERAL EDUCATION

SCIENCE EDUCATION

03 00 65 6
*EVALUATION, *GENERAL EDUCATION, *NATURAL SCIENCES, *TEACHING METHODS, LABORATORY COURSES, 1953, 1954, A TEST OF GENERAL PROFICIENCY IN THE FIELD OF NATURAL SCIENCES, COOPERATIVE GENERAL ACHIEVEMENT TESTS (ETS), A TEST OF SCIENCE REASONING AND UNDERSTANDING PHYSICAL SCIENCES

137. SE 001 745 08 23 67 10 43 20 1 00 000 197
PROCTOR, PAUL DEAN
FIELD GEOLOGY FOR THE ADVANCED STUDENT

JOURNAL OF GEOLOGICAL EDUCATION

61 8
*ADVANCED STUDENTS, *COLLEGE SCIENCE, *EARTH SCIENCE, *FIELD GEOLOGY, *INSTRUCTIONAL PROCEDURES, PAPERS

138. SE 001 676 08 18 67 10 43 30 1 00 000 197
RAHM, DAVID A.
GRAPHIC INTEGRATION OF RELATIVE AGE, ABSOLUTE AGE, AND STRATIGRAPHIC THICKNESS

JOURNAL OF GEOLOGICAL EDUCATION

12 00 62 4
*AUDIOVISUAL AIDS, *COLLEGE SCIENCE, *EARTH SCIENCE, *GEOLOGY, *INSTRUCTIONAL PROCEDURES, GRAPHS, GEOLOGICAL TIME, HISTORICAL GEOLOGY, SCIENCE ACTIVITIES, TEACHER RESOURCE MATERIALS

139. SE 000 800 09 13 67 10 22 17 2 00 000 008
RAINEY, ROBERT G.
THE EFFECTS OF DIRECTED VERSUS NON-DIRECTED LABORATORY WORK ON HIGH SCHOOL CHEMISTRY ACHIEVEMENT

JOURNAL OF RESEARCH IN SCIENCE TEACHING

12 00 65 7
*ACADEMIC ACHIEVEMENT, *CHEMISTRY, *INSTRUCTIONAL PROCEDURES, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, DIRECTED LEARNING ACTIVITIES, SCIENCE ACTIVITIES, NONDIRECTED LEARNING ACTIVITIES, AMERICAN CHEMICAL SOCIETY-NATIONAL SCIENCE TEACHERS ASSOCIATION HIGH SCHOOL CHEMISTRY TEST, COOPERATIVE CHEMISTRY TEST, SOUTH HIGH SCHOOL (MINNEAPOLIS, MINNESOTA)

140. SE 001 227 07 25 67 10 22 17 2 22 000 319
RAINEY, ROBERT GLENN
THE EFFECTS OF DIRECTED VERSUS NON-DIRECTED LABORATORY WORK ON HIGH SCHOOL CHEMISTRY ACHIEVEMENT

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

62 249
*CHEMISTRY, *LABORATORY INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *ACADEMIC ACHIEVEMENT, TEACHING METHODS

141. SE 001 472 12 11 67 10 81 29 1 00 000 004
RAMSEY, IRVIN L. AND WIANDT, SANDRA LEE
INDIVIDUALIZING ELEMENTARY SCHOOL SCIENCE

SCHOOL SCIENCE AND MATHEMATICS

05 00 67 5
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *INDIVIDUAL INSTRUCTION, EDUCATIONAL PROGRAMS, PROGRAM DESCRIPTION, SCIENCE ACTIVITIES, COLUMBUS, OHIO

142. SE 001 511 10 10 67 06 22 38 1 00 000 004
RAWLINS, GEORGE M., JR.
SAFETY IN HIGH SCHOOL CHEMISTRY

SCHOOL SCIENCE AND MATHEMATICS

10 00 64 3
*CHEMISTRY, *LABORATORY SAFETY, *LABORATORY MANAGEMENT, *SAFETY, *SECONDARY SCHOOL SCIENCE, SCIENCE EQUIPMENT, SCIENCE MATERIALS

143. SE 000 012 09 06 67 10 52 17 2 09 000 229
REDFIELD, DAVID D. AND ATWOOD, RONALD K.
AN INVESTIGATION OF AN EXPERIMENT MODEL IN THE PHYSICAL SCIENCES FOR THE JUNIOR HIGH STUDENT

FLORIDA STATE UNIVERSITY, TALLAHASSEE

17
*PROBLEM SOLVING, *PROGRAMED INSTRUCTION, *SECONDARY SCHOOL SCIENCE, COGNITIVE DEVELOPMENT, GRADE 7, GRADE 8, GRADE 9, INSTRUCTION, LEARNING, PHYSICAL SCIENCES, RESEARCH REPORTS, STUDENT RESEARCH

144. SE 000 864 09 07 67 10 52 17 2 09 000 229
REDFIELD, DAVID D. AND ATWOOD, RONALD K.
AN INVESTIGATION OF AN EXPERIMENT MODEL IN THE PHYSICAL SCIENCES FOR THE JUNIOR HIGH STUDENT

FLORIDA STATE UNIVERSITY, TALLAHASSEE

02 00 67 16
*BEHAVIORAL OBJECTIVES, *INSTRUCTION, *SCIENCE ACTIVITIES, *PROBLEM SOLVING, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, GRADE 7, GRADE 8, GRADE 9, PHYSICAL SCIENCES, RESEARCH REPORTS, SCIENTIFIC METHODOLOGY, SCHOOL MATHEMATICS STUDY GROUP, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE-SCIENCE, A PROCESS APPROACH, INTRODUCTORY PHYSICAL SCIENCE, MINNEMAST, NATIONAL SCIENCE FOUNDATION, FLORIDA STATE UNIVERSITY HIGH SCHOOL, PINELLAS COUNTY (FLORIDA), HILLSBOROUGH COUNTY (FLORIDA), METROPOLITAN ACHIEVEMENT TEST SCORES

145. SE 001 711 08 23 67 10 25 30 1 32 000 339
REYNOLDS, G. WILLIAM AND HOLMER, M. KATHLEEN
AN ELECTROMETIC TITRATION DEMONSTRATION FOR THE OVERHEAD PROJECTOR

THE SCIENCE TEACHERS JOURNAL

65 4
*CHEMISTRY, *DEMONSTRATIONS (SCIENCE), *OVERHEAD PROJECTORS, *SECONDARY SCHOOL SCIENCE, *TITRATION, COLLEGE SCIENCE, SCIENCE EQUIPMENT

146. SE 001 050 07 28 67 10 53 17 1 00 000 006
RICKERT, RUSSELL K.
DEVELOPING CRITICAL THINKING

SCIENCE EDUCATION

02 00 67 3
*COLLEGE SCIENCE, *CRITICAL THINKING, *EDUCATIONAL OBJECTIVES, *INSTRUCTION, *PHYSICAL SCIENCES, *RESEARCH REPORTS, *ACADEMIC ACHIEVEMENT, *TEACHING METHODS, DEMONSTRATIONS (SCIENCE), PHYSICS, SCIENTIFIC METHODOLOGY, TEST OF CRITICAL THINKING, (FORM G), 1961, WEST CHESTER STATE COLLEGE

147. SE 000 397 10 09 67 10 86 20 2 00 000 007
RIESSMAN, FRANK
EDUCATION OF THE CULTURALLY DEPRIVED CHILD

THE SCIENCE TEACHER

11 00 65 3
*DISADVANTAGED YOUTH, *ELEMENTARY SCHOOL STUDENTS, *SECONDARY SCHOOL STUDENTS, *TEACHING TECHNIQUES, SPEECHES

148. SE 001 465 07 11 67 10 55 20 1 00 000 006
RONNEBERG, CONRAD E.
LABORATORY PROJECTS IN PHYSICAL SCIENCE FOR GENERAL STUDENTS

SCIENCE EDUCATION

03 00 67 6
*COLLEGE SCIENCE, *GENERAL EDUCATION, *INSTRUCTIONAL PROCEDURES, *LABORATORY EXPERIMENTS, *LABORATORY PROJECTS, *PHYSICAL SCIENCES, STUDENT PROJECTS

149. SE 001 448 10 10 67 09 86 20 1 00 000 008
ST. JOHN, CLINTON
CAN SCIENCE EDUCATION BE SCIENTIFIC? NOTES TOWARD A VIABLE THEORY OF SCIENCE TEACHING

JOURNAL OF RESEARCH IN SCIENCE TEACHING

12 00 66 4
*EDUCATIONAL OBJECTIVES, *INSTRUCTIONAL PROCEDURES, *LEARNING, PAPERS, *SCIENCE EDUCATION, *THEORY FORMATION, ASSOCIATION FOR THE EDUCATION OF TEACHERS IN SCIENCE

150. SE 001 381 11 13 67 10 42 20 1 08 000 197
SAMPLES, ROBERT E.
DEATH OF AN INVESTIGATION

JOURNAL OF GEOLOGICAL EDUCATION

04 00 66 3
*EARTH SCIENCE, *INSTRUCTION, *SCIENCE ACTIVITIES, *SECONDARY SCHOOL SCIENCE, *STUDENT INVESTIGATIONS, PAPERS, EARTH SCIENCE CURRICULUM PROJECT

151. SE 000 638 08 04 67 10 91 17 3 11 000 230
SANDS, THEODORE AND OTHERS
CONCEPT DEVELOPMENT MATERIALS FOR GIFTED ELEMENTARY PUPILS

ILLINOIS STATE UNIVERSITY

66 43
*CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *ABLE STUDENTS, CURRICULUM DEVELOPMENT, GRADE PLACEMENT, INDEPENDENT STUDY, READING ABILITY, RESEARCH REPORTS, PROGRAMS FOR THE GIFTED

152. SE 000 143 08 25 67 07 22 17 2 00 000 008
SAYLES, J. HENRY
USING PROGRAMED INSTRUCTION TO TEACH HIGH SCHOOL CHEMISTRY

JOURNAL OF RESEARCH IN SCIENCE TEACHING

66 2
*CHEMISTRY, *INSTRUCTION, *INDIVIDUAL INSTRUCTION, *PROGRAMED INSTRUCTION, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, 1966

153. SE 000 828 07 27 67 10 12 17 2 00 000 008
SCHEFLER, WILLIAM C.
A COMPARISON BETWEEN INDUCTIVE AND ILLUSTRATIVE LABORATORIES IN COLLEGE BIOLOGY

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09 00 65 6
*BIOLOGY, *COLLEGE SCIENCE, *INDUCTIVE REASONING, *LABORATORY CENTERED TEACHING, *RESEARCH REPORTS, *TEACHING METHODS, TEACHER EDUCATION, KUDER PREFERENCE TEST FORM C, TEST ON UNDERSTANDING SCIENCE

154. SE 001 306 11 16 67 10 91 17 2 22 000 319
SCHILLER, LEROY
A STUDY OF THE EFFECT OF INDIVIDUALIZED ACTIVITIES ON UNDERSTANDING IN ELEMENTARY SCHOOL SCIENCE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

64 184
*ELEMENTARY SCHOOL SCIENCE, *GRADE 6, *INDIVIDUAL ACTIVITIES, *INSTRUCTIONAL MATERIALS, *INSTRUCTION, *RESEARCH REPORTS, *STUDENT ACTIVITIES, DOCTORAL THESES, EARTH SCIENCE, FEMALES, MALES, PHYSICAL SCIENCE, SCIENCE ACTIVITIES, 1964, GENERAL SCIENCE

155. SE 000 868 09 07 67 10 92 17 2 15 000 186
SCHUNER, SILAS W.
THE EFFECT OF TEACHER TERMINAL RESPONSE ON CLASSROOM DISCUSSION

IOWA UNIVERSITY HIGH SCHOOL, IOWA CITY

02 00 67 16
*INTERACTION ANALYSIS, *SCIENCE TEACHERS, *SECONDARY SCHOOL SCIENCE, *TEACHING TECHNIQUES, BIOLOGY, EARTH SCIENCE, GENERAL SCIENCE, RESEARCH REPORTS

156. SE 001 310 11 16 67 10 23 17 2 22 000 319
SCOTT, DAN DRYDEN
THE USE OF ANALOGIES IN INTRODUCTORY COLLEGE CHEMISTRY TEXTBOOKS, 1930-1960

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 113
*ANALOGIES, *CHEMISTRY, *COLLEGE SCIENCE, *RESEARCH REPORTS, *TEXTBOOK RESEARCH, *TEXTBOOKS, *TEACHING TECHNIQUES, DOCTORAL THESES, TEXTBOOK CONTENT, 1963

157. SE 001 671 08 18 67 10 43 38 1 00 000 197
SCREVEN, RUTH WEHNER
A SIMPLE RULE OF V'S OF OUTCROP PATTERNS

JOURNAL OF GEOLOGICAL EDUCATION

09 00 63 2
*EARTH SCIENCE, *GEOLOGY, *INSTRUCTIONAL PROCEDURES, *TEACHER RESOURCE MATERIALS, COLLEGE SCIENCE

158. SE 001 418 10 18 67 10 95 38 1 00 000 009
SEARS, FRANCIS W.
WEIGHT AND WEIGHTLESSNESS

THE PHYSICS TEACHER

04 00 63 3
*FORCES (PHYSICAL), *INSTRUCTIONAL PROCEDURE, *LABORATORY TECHNIQUES, *MEASUREMENT, *PHYSICS, *WEIGHT, COLLEGE SCIENCE, EARTH SCIENCE, GRAVITATIONAL FORCE, SECONDARY SCHOOL SCIENCE, WEIGHTLESSNESS

159. SE 000 816 07 11 67 10 92 29 1 00 000 008
SELBERG, EDITH M. AND VESSEL, M. F.
SECONDARY SCHOOL SCIENCE TEACHER EDUCATION AT SAN JOSE STATE COLLEGE

JOURNAL OF RESEARCH IN SCIENCE TEACHING

06 00 65 3
*CURRICULUM PLANNING, *GRADUATION REQUIREMENTS, *TEACHER EDUCATION PROGRAMS, CERTIFICATION REQUIREMENTS, COLLEGE SCIENCE, PRESERVICE EDUCATION, SECONDARY SCHOOL SCIENCE, SAN JOSE STATE COLLEGE

160. SE 000 952 07 26 67 10 12 38 1 00 000 001
SHOEMAKER, FORREST H.
A COMPARATIVE STUDY IN FIELD BIOLOGY

THE AMERICAN BIOLOGY TEACHER

05 00 66 2
*BIOLOGY, *ECOLOGY, *FIELD TECHNIQUES, *SECONDARY SCHOOL SCIENCE, *TEACHING TECHNIQUES, FIELD BIOLOGY

161. SE 001 247 11 01 67 10 13 17 2 22 000 319
SILVERSTEIN, ALVIN
THE EFFECTIVENESS OF STUDENT-CONSTRUCTED THREE-DIMENSIONAL MODELS IN THE TEACHING OF COLLEGE GENERAL BIOLOGY

UNIVERSITY MICROFILM, ANN ARBOR, MICHIGAN

62 190
*BIOLOGY, *COLLEGE SCIENCE, *INSTRUCTION, *LABORATORY PROCEDURES, *MODELS (DEMONSTRATION), *RESEARCH REPORTS, *SCIENCE ACTIVITIES, *TEACHING PROCEDURES, COMMUNITY COLLEGES, SCIENCE EQUIPMENT, TEACHING METHODS, 1962, STATEN ISLAND COMMUNITY COLLEGE, COLLEGE ENTRANCE EXAMINATION, EDUCATIONAL TESTING SERVICE ADVANCED PLACEMENT EXAMINATION - BIOLOGY

162. SE 001 545 11 17 67 10 93 17 2 22 000 319
SLATER, SCHUYLER G.
THE CLASSIFICATION OF SELECTED PRACTICES OF COLLEGE SCIENCE INSTRUCTORS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 253
*COLLEGE SCIENCE, *EFFECTIVE TEACHING, *RESEARCH REPORTS, *TEACHING METHODS, *TEACHING TECHNIQUES, 1965, BIOLOGY, CHEMISTRY, DOCTORAL THESES, EVALUATION

163. SE 001 924 12 11 67 10 81 17 2 00 000 004
SMITH, DOYNE M. AND COOPER, BERNICE
A STUDY OF THE USE OF VARIOUS TECHNIQUES IN TEACHING SCIENCE IN THE ELEMENTARY SCHOOL

SCHOOL SCIENCE AND MATHEMATICS

06 00 67 4
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *TEACHING TECHNIQUES, *TEACHER CHARACTERISTICS, RESEARCH REPORTS

164. SE 001 547 12 11 67 10 32 17 3 22 000 319
SNIDER, RAY MERRILL
A PROJECT TO STUDY THE NATURE OF PHYSICS TEACHING USING THE FLANDERS METHOD OF INTERACTION ANALYSIS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

66 338
*EFFECTIVE TEACHING, *INTERACTION ANALYSIS, *PHYSICS, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, *VERBAL COMMUNICATION, DOCTORAL THESES, DISCOVERY PROCESSES, EVALUATION, LECTURE, RESEARCH REPORTS, SCIENCE ACTIVITIES, TEACHER INFLUENCE, TEACHER CHARACTERISTICS, 1966, CORNELL UNIVERSITY, FLANDERS METHOD OF INTERACTION ANALYSIS, NEW YORK STATE REGENTS PHYSICS COURSE

165. SE 001 549 11 01 67 10 12 17 3 22 000 319
SORENSON, LaVAR L.
CHANGE IN CRITICAL THINKING BETWEEN STUDENTS IN LABORATORY-CENTERED AND LECTURE-DEMONSTRATION-CENTERED PATTERNS OF INSTRUCTION IN HIGH SCHOOL BIOLOGY
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

66 141
*ACADEMIC ACHIEVEMENT, *BIOLOGY, *CRITICAL THINKING, *LABORATORY PROCEDURES, *LECTURE DEMONSTRATION, *SECONDARY SCHOOL SCIENCE, *TEACHING TECHNIQUES, COMPARATIVE ANALYSIS, DISSERTATION, RESEARCH REPORTS, TEACHING PROCEDURES, OREGON STATE UNIVERSITY, 1966, OTIS QUICK SCORING MENTAL ABILITY TEST (GAMMA FORM AM), WATSON-GLASER CRITICAL THINKING APPRAISAL (FORM YM), CORNELL CRITICAL THINKING TEST (FORM X), ROKEACH DOGMATISM SCALE (FORM E), TEST ON UNDERSTANDING SCIENCE (FORM W), SALT LAKE CITY SCHOOL DISTRICT

166. SE 001 239 08 28 67 10 95 17 2 22 000 319
STONE, RUTH MURIEL
A COMPARISON OF THE PATTERNS OF CRITERIA WHICH ELEMENTARY AND SECONDARY SCHOOL TEACHERS USE IN JUDGING THE RELATIVE EFFECTIVENESS OF SELECTED LEARNING EXPERIENCES IN ELEMENTARY SCIENCE
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
63 252
*CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *RESEARCH REPORTS, *INSTRUCTIONAL PROCEDURES, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, EVALUATION, SCIENCE ACTIVITIES

167. SE 001 708 11 17 67 10 23 17 2 35 000 349
SUMNER, THOMAS AND OTHERS
THE USE OF FILMS AS REPLACEMENTS FOR GENERAL CHEMISTRY LABORATORIES

AUTHOR, UNIVERSITY OF AKRON, OHIO

08 00 58 33
*ACADEMIC ACHIEVEMENT, *ACHIEVEMENT, *AUDIOVISUAL AIDS, *COLLEGE SCIENCE, *CHEMISTRY, *FILMS, *INSTRUCTION, *RESEARCH REPORTS, EDUCATIONAL FILMS, GENERAL EDUCATION, LABORATORY INSTRUCTION, TEACHING TECHNIQUES, FUND FOR THE ADVANCEMENT OF EDUCATION, UNIVERSITY OF AKRON, AKRON, OHIO, 1958

168. SE 000 798 07 11 67 10 72 17 1 00 000 008
SUTMAN, FRANK X. AND YOST, MICHAEL
A MODIFIED TEAM APPROACH IN SEVENTH GRADE SCIENCE

JOURNAL OF RESEARCH IN SCIENCE TEACHING

12 00 65 5
*GENERAL SCIENCE, *GRADE 7, *SECONDARY SCHOOL SCIENCE, *TEAM TEACHING, *TEACHING METHODS, INSTRUCTION, LARGE GROUP INSTRUCTION, *RESEARCH REPORTS

169. SE 001 552 12 11 67 10 81 17 2 22 000 319
TATING, MARCELA TIONKO
PRIMING CREATIVE THINKING IN ELEMENTARY SCHOOL SCIENCE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 115
*ASSOCIATIVE LEARNING, *CREATIVE THINKING, *ELEMENTARY SCHOOL SCIENCE, *GRADE 4, *INSTRUCTION, *LEARNING PROCESSES, *RESEARCH REPORTS, *TEACHING TECHNIQUES, *VERBAL COMMUNICATION, DOCTORAL THESES, 1965

170. SE 001 694 10 30 67 10 43 38 1 00 000 197
THREET, RICHARD L.
TRIGONOMETRIC SCALES TO SIMPLIFY DESCRIPTIVE GEOMETRY IN STRUCTURAL GEOLOGY

JOURNAL OF GEOLOGICAL EDUCATION

12 00 64 3
*APPLIED MATHEMATICS, *COLLEGE SCIENCE, *GEOLOGY, *INSTRUCTIONAL PROCEDURES, *TEACHING TECHNIQUES, EARTH SCIENCE, GEOMETRY, MATHEMATICS, PAPERS, SCIENCE ACTIVITIES, STRUCTURAL GEOLOGY, TEACHER DEMONSTRATIONS

171. SE 001 213 06 30 67 10 92 17 2 22 000 319
TOOHEY, JACK VINCENT
THE COMPARATIVE EFFECTS OF LABORATORY AND LECTURE METHODS OF INSTRUCTION IN EARTH SCIENCE AND GENERAL SCIENCE CLASSES

UNIVERSITY MICROFILM, ANN ARBOR, MICHIGAN

63 142
*KNOWLEDGE RETENTION, *SECONDARY SCHOOL SCIENCE, *ACADEMIC ACHIEVEMENT, *TEACHING PROCEDURES, EARTH SCIENCE, GENERAL SCIENCE, GRADE 9, LABORATORY INSTRUCTION, LECTURE RESEARCH REPORTS

172. SE 001 976 09 12 67 10 53 17 1 22 000 319
WARD, JOHN NOAH
GROUP STUDY VERSUS LECTURE-DEMONSTRATION METHOD IN PHYSICAL SCIENCE INSTRUCTION FOR GENERAL EDUCATION COLLEGE STUDENTS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

55 397
*ACADEMIC ACHIEVEMENT, *COLLEGE SCIENCE, *INSTRUCTION, *PHYSICAL SCIENCE, *TEACHING METHODS, OBJECTIVES, GENERAL EDUCATION, LECTURE DEMONSTRATION, RESEARCH REPORTS, 1955

173. SE 000 887 06 30 67 10 85 20 1 00 000 006
WASHTON, NATHAN S.
TEACHING SCIENCE FOR CREATIVITY

SCIENCE EDUCATION

02 00 66 5
*CREATIVITY, *PROBLEM SOLVING, *SCIENCE INSTRUCTION, *TEACHING METHODS, PAPERS, INTERNATIONAL ASSOCIATION OF UNIVERSITY PROFESSORS AND LECTURERS (VIENNA, AUSTRIA)

174. SE 001 933 11 09 67 10 51 17 2 22 000 319
WEAVER, ALLEN DALE
A DETERMINATION OF CRITERIA FOR SELECTION OF LABORATORY EXPERIENCES SUITABLE FOR AN INTEGRATED COURSE IN PHYSICAL SCIENCE DESIGNED FOR THE EDUCATION OF ELEMENTARY SCHOOL TEACHERS
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

54 387
*CURRICULUM, *COLLEGE SCIENCE, *EVALUATION, *SCIENCE ACTIVITIES, *PHYSICAL SCIENCES, *TEACHER EDUCATION, CURRICULUM PLANNING, ELEMENTARY SCHOOL SCIENCE, EDUCATIONAL OBJECTIVES, INTEGRATED SCIENCES, 1954

175. SE 000 381 08 21 67 10 95 20 1 00 000 007
WEAVER, ELBERT C.
DEMONSTRATION IS TEACHING

THE SCIENCE TEACHER

02 00 64 2
*COLLEGE SCIENCE, *DEMONSTRATIONS (SCIENCE), *SECONDARY SCHOOL SCIENCE, *TEACHING TECHNIQUES, BIOLOGY, CHEMISTRY, PHYSICS, TEACHING METHODS

176. SE 000 177 07 05 67 10 95 30 1 00 000 007
WHITE, HARVEY E. AND OTHERS
ARE YOU GETTING ENOUGH CALCIUM?

THE SCIENCE TEACHER

10 00 66 3
*DISPLAYS, *HEALTH EDUCATION, *INSTRUCTION, INDIVIDUALIZED INSTRUCTION, COLLEGE SCIENCE, 1965, LAWRENCE HALL OF SCIENCE, UNIVERSITY OF CALIFORNIA, BERKELEY, BERKELEY, CALIFORNIA

177. SE 001 975 09 12 67 10 12 17 2 22 000 319
WHITE, ROBERT WILLIAM
THE RELATIVE EFFECTIVENESS OF A TEAM TEACHING METHOD IN HIGH SCHOOL BIOLOGY INSTRUCTION

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 318
*ACHIEVEMENT, *BIOLOGY, *INSTRUCTION, *INSTRUCTIONAL PROCEDURES, *SECONDARY SCHOOL SCIENCE, *STUDENT ATTITUDES, *TEAM TEACHING, AUDIOVISUAL AIDS, INTELLIGENCE, RESEARCH REPORTS, WAUSAU (WISCONSIN), WISCONSIN, HENMON-NELSON TEST OF MENTAL ABILITY, COOPERATIVE STEP TEST, 1963

178. SE 000 866 07 20 67 10 22 17 1 05 000 185
WILLIAMS, HOMER R.
A COMPARATIVE STUDY OF TWO PATTERNS OF CLASS ORGANIZATION IN THE TEACHING OF HIGH SCHOOL CHEMISTRY

FOI SOM HIGH SCHOOL, CALIFORNIA

02 00 67 8
*CHEMISTRY, *CLASS SIZE, *SECONDARY SCHOOL SCIENCE, *ACADEMIC ACHIEVEMENT, *TEACHING METHODS, CLASS ORGANIZATION, INDEPENDENT STUDY, INTERESTS, 1963, LORGE-THORNDIKE INTELLIGENCE TEST, ACS-NSTA COOPERATIVE EXAMINATION HIGH SCHOOL CHEMISTRY, FORM 1961, TEST ON UNDERSTANDING SCIENCE, PURDUE MASTER ATTITUDE SCALES-A SCALE FOR MEASURING ATTITUDE TOWARD ANY SCHOOL SUBJECT, THURSTONE INTEREST SCHEDULE, RESEARCH REPORTS

179. SE 001 369 09 22 67 10 22 17 1 00 000 007
WILLIAMS, HOMER R.
ORGANIZATION OF CHEMISTRY CLASSES - A COMPARATIVE STUDY OF TWO PATTERNS IN THE TEACHING OF HIGH SCHOOL CHEMISTRY

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05 00 67 2
*ACADEMIC ACHIEVEMENT, *CHEMISTRY, *INSTRUCTIONAL PROCEDURES, *INDEPENDENT STUDY, *RESEARCH REPORTS, *SCHOOL ORGANIZATION, *SECONDARY SCHOOL SCIENCE, ADMINISTRATION, CLASS SIZE, SCHEDULING

180. SE 000 014 07 18 67 10 22 17 3 32 000 285
WINTER, STEPHEN S. AND OTHERS
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